

22.4.5.6
Attachment "B6"

PATENT COOPERATION TREATY

KEIL & SCHAAFHAUSEN
PATENTANWÄLTE

23. Mai 2002

PCT
NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To:

KEIL & SCHAAFHAUSEN
Cronstettenstrasse 66
60322 Frankfurt am Main
ALLEMAGNE

Date of mailing (day/month/year) 15 May 2002 (15.05.02)	
Applicant's or agent's file reference O 1 P 24 WO	IMPORTANT NOTIFICATION
International application No. PCT/EP00/06174	International filing date (day/month/year) 03 July 2000 (03.07.00)
Applicant OUTOKUMPU OYJ et al	

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CA,CN,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

EA,EP,AU,BR,ID,ZA

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer Zakaria EL KHODARY Telephone No. (41-22) 338.83.38
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP00/06174

I. Basis of the report

1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

the international application as originally filed.

the description, pages 1-7, as originally filed,

pages _____, filed with the demand,

pages _____, filed with the letter of _____

pages _____, filed with the letter of _____

the claims, Nos. 1-5, as originally filed,

Nos. _____, as amended under Article 19,

Nos. _____, filed with the demand,

Nos. _____, filed with the letter of _____

Nos. _____, filed with the letter of _____

the drawings, sheets/fig 1/1, as originally filed,

sheets/fig _____, filed with the demand,

sheets/fig _____, filed with the letter of _____

sheets/fig _____, filed with the letter of _____

2. The amendments have resulted in the cancellation of:

the description, pages _____

the claims, Nos. _____

the drawings, sheets/fig _____

3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/EP 00/06174

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	YES
	Claims	1-3
Inventive step (IS)	Claims	4, 5
	Claims	NO
Industrial applicability (IA)	Claims	1-5
	Claims	YES
		NO

2. Citations and explanations

Reference is made to the following documents:

D1: US-A-5 616 303, WYSK S RONALD ET AL., 1 April 1997 (1997-04-01), cited in the application

D2: DE 195 42 309 A, METALLGESELLSCHAFT AG, 15 May 1997 (1997-05-15), cited in the application

D3: GB-A-2 019 369, SMIDTH & CO AS F L, 31 October 1979 (1979-10-31), cited in the application

D4: DATABASE WPI Section Ch, Week 199424, Derwent Publications Ltd, London, GB; Class J09, AN 1994-198367 XP002152134 & SU 1 806 309 A, PRIMORSK BOR PRODN ASSOC, 30 March 1993 (1993-03-30).

Claim 1 should be treated as a device (*per se*) claim, regardless of the reaction implemented therein.

In view of the problem addressed (namely that the structural height of plant be kept as low as possible) - see page 2, paragraph 2 - and since horizontal "cyclone reactors" are already known (for example from D1 and D4), there is at present no clear structural delimitation has been given in relation to known horizontal cyclone reactors. Such delimitation first appears in Claims 4 and 5 and gives rise to advantages over similar known devices.